

# Converting Colors

$Yxy(68.9878, 0.2769, 0.2877)$

Have a look what the booklet for  
Yxy(68.9878, 0.2769, 0.2877)  
contains.

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# Color

**Yxy(68.9878, 0.2769, 0.2877)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7D9FF
RGB	199, 217, 255
RGB Percent	78%, 85%, 100%
CMY	0.2199, 0.1489, 0.0001
CMYK	0.22, 0.15, 0.00, 0.00
HSL	221°, 100%, 89%
HSV	221°, 22%, 100%
XYZ	66.3981, 68.9878, 104.4049
YIQ	215.9500, -22.9260, 8.0020

# Conversions

## Conversions Part 2

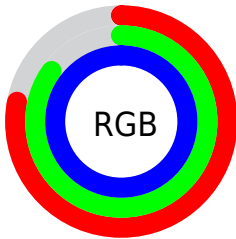
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 213, 255
Decimal	13097471
CIE Lab	86.50, 1.85, -20.50
CIE LCh	86, 20.582, 275.157
Yxy	68.9878, 0.2769, 0.2877
Android (android.graphics.Color)	4291287551 (0xFFC7D9FF)
YUV	215.9500, 19.2517, -14.8651
Hunter-Lab	83.0589, -2.6585, -16.3862

# Details

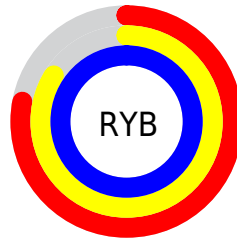
The Yxy color  $68.9878, 0.2769, 0.2877$  is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be  $85.8735, 0.3496, 0.3671$ , and the grayscale version is  $68.5052, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $35.8472, 0.2684, 0.2779$  is the 20% darker color. If you saturate the color by 10%, you get  $57.3510, 0.2591, 0.2655$ , and if you desaturate by 10%, it is  $82.1455, 0.2939, 0.3078$ .

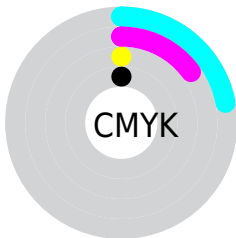
# Distribution



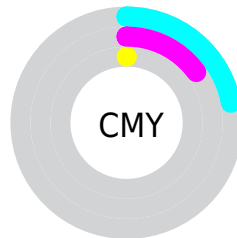
- Red (78%)
- Green (85%)
- Blue (100%)



- Red (78%)
- Yellow (84%)
- Blue (100%)



- Cyan (22%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9878, 0.2769, 0.2877 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 68.9878, 0.2769, 0.2877 by changing the saturation by 10% instead.



■ 68.9878, 0.2769,  
0.2877

■ 68.9878, 0.2769,  
0.2877

456.9879, 0.2935,  
0.3067

■ 50.7018, 0.2731,  
0.2834

117.7641, 0.2827,  
0.2943

■ 35.9713, 0.2685,  
0.2781

149.0233, 0.2849,  
0.2968

■ 24.4120, 0.2626,  
0.2714

185.3755, 0.2868,  
0.2991

■ 15.6396, 0.2549,  
0.2627

227.2053, 0.2885,  
0.3010

■ 9.2695, 0.2445,  
0.2511

274.8971, 0.2900,  
0.3027

■ 4.9174, 0.2299,  
0.2346

328.8352, 0.2913,

■ 2.1989, 0.2076,

0.3042

0.2100

389.4040, 0.2925,  
0.3055

0.7194, 0.1701,  
0.1679

0.0000, 0.0000,  
0.0000

68.9878, 0.2769,  
0.2877

68.9878, 0.2769,  
0.2877

57.3510, 0.2591,  
0.2655

82.1455, 0.2939,  
0.3078

47.1691, 0.2409,  
0.2413

96.8699, 0.3097,  
0.3257

38.3835, 0.2227,  
0.2157

99.9986, 0.3127,  
0.3290

30.9276, 0.2055,  
0.1894

■ 24.7293, 0.1900,  
0.1634

■ 19.7078, 0.1771,  
0.1389

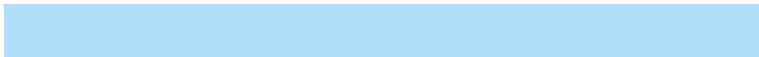
■ 15.7709, 0.1673,  
0.1170

■ 13.3047, 0.1617,  
0.1020

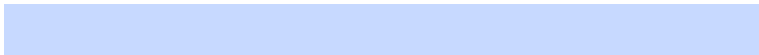
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.9878, 0.2660, 0.2969



68.9878, 0.2769, 0.2877



68.9878, 0.2975, 0.2891

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.9878, 0.2769, 0.2877



68.9878, 0.3607, 0.3393



68.9878, 0.3012, 0.3608

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



68.9878, 0.2769, 0.2877



85.8735, 0.3496, 0.3671

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.9878, 0.3266, 0.3728



68.9878, 0.2769, 0.2877



68.9878, 0.3616, 0.3589

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.9878, 0.2769, 0.2877



68.9878, 0.3464, 0.3181



68.9878, 0.3488, 0.3716



68.9878, 0.2796, 0.3393



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.9878, 0.2769, 0.2877



68.9878, 0.3143, 0.2954



68.9878, 0.3488, 0.3716



68.9878, 0.3096, 0.3661

# Sweetspot

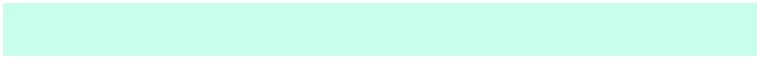
The Sweet Spot groups the original color and five complimentary colors.



68.9906, 0.2769, 0.2877



89.3003, 0.3019, 0.3170



89.7116, 0.2896, 0.3489



18.9243, 0.3009, 0.3159



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9906, 0.2769, 0.2877



64.1482, 0.2698, 0.2790



61.4805, 0.2817, 0.2684



18.3354, 0.2979, 0.3124



7.1919, 0.1625, 0.1049



0.8886, 0.1687, 0.1271



# Inverse Universe

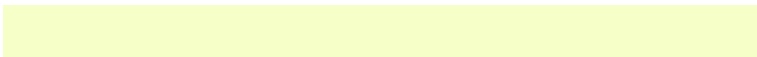
The Inverse Universe completely reimagines the original color for something new.



67.0802, 0.3434, 0.3106



62.1849, 0.3507, 0.3071



95.1536, 0.3398, 0.3852



18.0838, 0.3243, 0.3213



11.4540, 0.5686, 0.2906



1.1342, 0.5366, 0.2730



# Previews

## White Background



This preview shows how the Yxy color 68.9878, 0.2769, 0.2877 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

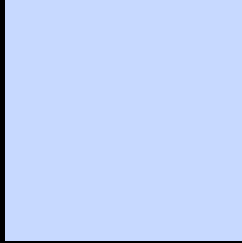
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.9878, 0.2769, 0.2877 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

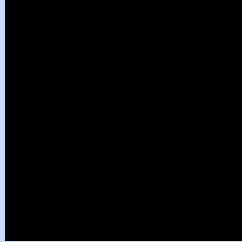
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

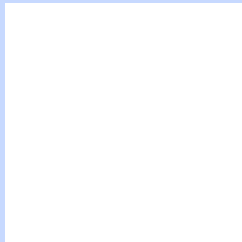
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.9878, 0.2769, 0.2877**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.9878, 0.2769, 0.2877.



This preview shows how white text looks on a background with the Yxy color 68.9878, 0.2769, 0.2877.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

68.9878, 0.2769, 0.2877

### Protanopia

68.7403, 0.2843, 0.2871

### Deuteranopia

68.7140, 0.2890, 0.2826



## Tritanopia

69.0952, 0.2851, 0.3088

# Trichromacy



## Original Color

68.9878, 0.2769, 0.2877

## Protanomaly

68.7358, 0.2812, 0.2869

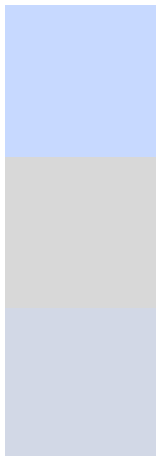
## Deuteranomaly

68.6574, 0.2844, 0.2842

## Tritanomaly

69.0650, 0.2822, 0.3013

# Monochromacy



## Original Color

68.9878, 0.2769, 0.2877

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.5265, 0.2993, 0.3135

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.9878, 0.2769, 0.2877 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(199, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 217, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(199, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 217, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 68.9878, 0.2769, 0.2877 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 217, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(199, 217, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(199, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 217,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.9878, 0.2769, 0.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 217, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(199,  
217, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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